

Title (en)

Access point selection using channel correlation in a wireless communication system

Title (de)

Zugangspunktauswahl mittels Kanalkorrelation in einem drahtlosen Kommunikationssystem

Title (fr)

Sélection d'un point d'accès par corrélation de voies dans un système de communication sans fil

Publication

EP 1542405 A3 20060308 (EN)

Application

EP 04257640 A 20041208

Priority

- US 52817103 P 20031209
- US 94944304 A 20040924

Abstract (en)

[origin: EP1542405A2] A method and apparatus are provided for access point selection in wireless communication systems, such as wireless LANs. A disclosed wireless communication device includes a roaming process that selects an access point based on a measure of correlation on a channel to one or more surrounding access points. The roaming process selects an access point, for example, having the lowest correlation value. The roaming process may also consider the signal quality, channel delay spread or both in selecting an access point.

IPC 8 full level

H04B 7/02 (2006.01); **H04L 12/26** (2006.01); **H04L 12/28** (2006.01); **H04Q 7/22** (2006.01); **H04Q 7/38** (2006.01); **H04W 48/20** (2009.01); **H04B 1/707** (2006.01); **H04W 84/12** (2009.01)

CPC (source: EP KR US)

H04L 12/28 (2013.01 - KR); **H04W 48/20** (2013.01 - EP US); **H04W 84/12** (2013.01 - EP US)

Citation (search report)

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Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

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DOCDB simple family (application)

EP 04257640 A 20041208; DE 602004028333 T 20041208; JP 2004356518 A 20041209; KR 20040102824 A 20041208; US 94944304 A 20040924